DETAILED ACTION

1.   This communication is responsive to amendment filled on 06/30/2009.

As a result of the amendment, claim 9 has been amended. Claims 1-7 and 15-25

previously cancelled. Claims 8-14 are pending in the application.

2.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unaccepted to applicant, an amendment may be filed as provided by

37 CFR 1.312. To ensure consideration of such an amendment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Applicant's representative, Joseph P. Mehrle (Reg. # 45, 535), on August 27, 2009.

3.   **AMENDMENT TO THE CLAIMS :**

Cancel claim 9.

Claim 8 has been amended as :

8.   A computer-implemented method to manage interactions between

applications and a data store and to process on a computer to perform the method,

comprising:

receiving a query for a data store and an identifier for an application, the

application while executing seeks to process results returned from and produced by

executing the query and seeks to update the data store with application data, the

application data is produced by the application processing the results of the query;

concurrently executing multiple instances of the application associated with the

identifier on multiple processing nodes within a network to achieve parallel processing

for the multiple instances of the application;

concurrently processing the query to acquire the results on behalf of the multiple

instances of the application;

producing the results that are then streamed to a plurality of application queues

residing on a plurality of the processing nodes as the results are acquired, each

application queue having different portions of the results;

concurrently providing one of the different portions of the results to a particular

one of the instances of the application from the application queues so that the instances

processing the ~~its~~ particular different portions of the results cooperates ~~can cooperate~~ to

produce all of the application data from the results;

streaming the results to load queues for a single update to the data store with all

the application data, which is to be subsequently accessed from the data store; ~~and~~

updating the data store after each instance of the applications finishes ~~its~~

processing and has completely streamed all ~~its~~ application data to the load queues;

concurrently housing the application data in one or more load queues residing on

one or more of the processing nodes; and

concurrently populating one or more tables residing on the processing nodes with

the application data from the one or more load queues.

Claim 10 has been amended as:

10.   The method of claim 8 ~~claim 9~~ further comprising merging the one or more

tables into the data store.

<div align="center">REASON FOR ALLOWANCE</div>

4.   Claims 8-14, now renumbered as claims 1-6, are allowable over the prior art of

record.

5.   The following is a statement of reasons for the indication of allowable subject

matter:

    Claim 8 recites, or similarly recites, in combination with the remaining elements,

the steps of:

        receiving a query for a data store and an identifier for an application, the

application while executing seeks to process results returned from and produced by

executing the query and seeks to update the data store with application data, the

application data is produced by the application processing the results of the query;

concurrently executing multiple instances of the application associated with the identifier

on multiple processing nodes within a network to achieve parallel processing for the

multiple instances of the application; concurrently processing the query to acquire the

results on behalf of the multiple instances of the application; producing the results that

are then streamed to a plurality of application queues residing on a plurality of the

processing nodes as the results are acquired, each application queue having different

portions of the results; concurrently providing one of the different portions of the results

to a particular one of the instances of the application from the application queues so that

the instances processing the particular different portions of the results cooperates to

produce all of the application data from the results; streaming the results to load queues

for a single update to the data store with all the application data, which is to be

subsequently accessed from the data store; updating the data store after each instance of

the applications finishes processing and has completely streamed all application data to

the load queues; concurrently housing the application data in one or more load queues

residing on one or more of the processing nodes; and concurrently populating one or

more tables residing on the processing nodes with the application data from the one or more load queues.

6.   Any comments considered necessary by applicant must be submitted no later than payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

7.   Any inquiry concerning this communication or earlier communication from the examiner should be directed to Daniel A Kuddus whose telephone number is (571) 270-1722. The examiner can normally be reached on Monday to Thursday 8.00 a.m.-5.30 p.m. The examiner can also be reached on alternate Fridays from 8.00 a.m. to 4.30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Charles Rones can be reached on (571) 272-4085. The fax phone number for the organization where this application or processing is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from the either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Daniel Kuddus

Date: 09/18/09

/Charles Rones/

Supervisory Patent Examiner, Art Unit 2164